Digiline Emblemen

Digiline maakt gebruik van digitaal printen. Elke gewenste kleur is te bestellen met behulp van het Pantone Matching System. Bijkomend voordeel van Digiline is de relatief korte levertijd van 7 dagen, na goedkeuring van het artwork.

Digiline is verkrijgbaar in drie soorten: **Digiline, Digiline Sports** en **Digiline Low Melt**.

Digiline
Digiline emblemen zijn toe te passen op materiaal dat tegen een stootje moet kunnen. Het embleem is bestand tegen industrieel wassen op 95°C. Ondanks deze hoge wastemperatuur blijven de frisse, heldere en levendige kleuren van het embleem zeer lang behouden. Digiline kan met geweven effect worden geproduceerd, wat de totale uitstraling net dat beetje extra geeft.

Digiline emblemen worden bij een temperatuur van 195° C op de stof aangebracht. Het productieproces en de Digiline emblemen zijn Oeko-Tex gecertificeerd.

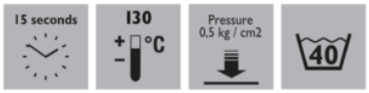
Digiline Sports & Digiline Low Melt
Digiline Sports en Digiline Low Melt zijn vergeleken met de standaard Digiline lichter en meer flexibel. Deze emblemen zijn geschikt voor promotionele doeleinden en sportkleding. Een clubnaam, logo of sponsor wordt met de Sports- en Low Melt-versie op de best mogelijke wijze gepresenteerd. Naast de full color afbeeldingen zijn voor Digiline Sports en Digiline Low Melt effecten mogelijk als 3D, reliëf, glans en zelfs een leder-look.

Digiline Sports wordt op de stof aangebracht bij een temperatuur van 145°C, Digiline Low Melt bij een temperatuur van 130°C. Beide emblemen kunnen worden gewassen tot 40°C. Het is mogelijk dit embleem aan te brengen met een Thermopatch heatsealmachine maar – om het gebruiksgemak te vergroten – Digiline Sports en Digiline Low Melt zijn ook eenvoudig met een strijkbout aan te brengen op elk type stof. Het productieproces en de Digiline Sports en Low Melt emblemen zijn Oeko-Tex gecertificeerd.

Hoeveelheden
Het minimale aantal om te bestellen, is 15 stuks per ontwerp.

Digiline

Digiline				
Digiline Sports				

Digiline Low Melt	

Digliline emblems are compliant to Oekotex product class II, under certificate number 1012046 Centexbel.

Application
Digitally printed emblems which are applied to textiles or other heat sealable materials by heat and pressure for decoration or identification.

Properties
– Digiline is washable up to 95°C.
– Good chemical resistance.
– Digiline Sports and Digiline Low Melt are washable up to 40 °C
– Digiline products are suitable for all textiles which allow the thermoplastic adhesive to penetrate and bind itself to it and which are resistant to its application temperatures.

Limitations of use
Digiline with high temperature glue applications are washable up to 95 °C industrial washing. Digline Sports and Digiline Low Melt with low temperature glue application are washable up to 40 °C.

Physical properties
Color imprint: various
Color base textile: white
Color glue laminate: clear
Sizes: various

Before sealing
Ensure that the to be marked textile is free of lint, dust, dirt and no seams, zipper, buttons etc. are near the place where the heat sealing will be performed.
Remark:
– Good bonding can be prevented in pre-conditioned fabrics with a dirt or water repellant or flame retardant treatment or coating.
– Pre-sealing can amend problems with adhesion on certain repellant or flameretardant coated textiles.
– Re-sealing can amend problems with adhesion on certain repellant or flameretardant treated textiles.

Heat seal instructions
– Digiline: 195 °C for 14 seconds at 0.5 kg/cm2* pressure on a pneumatic heat seal machine, or firm – strong pressure on a manually operated machine.

– Digiline Sports: 145 °C for 15 seconds at 0.5 kg/cm2* pressure, or medium pressure on a manually operated machine.
– Digiline Low Melt: 130 °C for 15 seconds at 0.5 kg/cm2* pressure, or medium pressure on a manually operated machine.
– Make sure that the sealing plate of the machine is clean and undamaged.
– Close the heat seal press with the set temperature, time and pressure.
– Remove the garment from the machine after the heat sealing cycle is finished.
– Place the next article and repeat above.

(*) For an optimal heat sealing result we advise to set the pressure on any large platen pneumatic heat seal press to 3-5 bar on the pressure regulator of the machine, when using the standard issued underplaten. When using smaller underplatens, decrease pressure to avoid damage to the transfers.

Handling and storage
Keep away from oxidizing agents, from strongly alkaline en strongly acid materials. Store out of direct sunlight, in a cool and dry place.

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Digiline emblems (up to 95 °C laundry wash)			
Type of fabric	**Temp. °C**	**Pressing time in sec.**	**Pressure in Bar Low/Medium/High**
Fleece, 100% Polyester	195 – 204	15	4-6 (Medium/High)
Polyurethane or PVC coated polyester (rainwear), cover with baking paper	195 – 204 Repress	15 15	4.5 (Medium/High)
Knitted fabrics, 100% polyester, viscose, acrylic (Sportswear, light workwear)	–	–	–
Knitted fabrics, 100% wool, cotton (Sportswear, light workwear)	–	–	–
Knitted fabrics, cotton or polyester with elastane 98%/2%	–	–	–

Flame-retardant cotton or polyester cotton (FR treated, Proban®)	195 – 204	15 – 12	4.5 (Medium/High)
Cotton/polyamide 55%/45%	Preheat 195 – 204	10 15 – 12	4.5 (Medium/High)
Cotton/polyester 65%/35% or 60%/40% (with DWR finish)*	195 – 204	12	4.5 (Medium/High)
Aramid/Viscose 50%/50%	195 – 204	12	4.5 (Medium/High)
Linen, 100%	195 – 204	20	4.5 (Medium/High)
Aramid (Nomex III), 100%	195 – 204	12	4.5 (Medium/High)
Polyamide (Nylon), 100% (with DWR finish)*	195 – 204	12	4.5 (Medium/High)
Polyester 100% (with DWR finish)*	195 – 204	12	4.5 (Medium/High)
Polyester Cleanroom material anti-static 99%/1%	195 – 204	12	4.5 (Medium/High)

Digiline Sports (low to medium temperature, digital emblems, sportswear, light workwear, up to 40 °C industrial wash)

Type of fabric	Temp. °C	Pressing time in sec.	Pressure in Bar Low/Medium/High
Fleece, 100% Polyester	140	15	3 (Low)
Polyurethane or PVC coated polyester (rainwear), cover with baking paper	140	15	3 (Low)

Knitted fabrics, 100% polyester, viscose, acrylic (Sportswear, light workwear)	130 – 140	15	3 (Low)
Knitted fabrics, 100% wool, cotton (Sportswear, light workwear)	140	15	3 (Low)
Knitted fabrics, cotton or polyester with elastane 98%/2%	130 – 140	15	3 (Low)
Flame-retardant cotton or polyester cotton (FR treated, Proban®)	–	–	–
Cotton/polyamide 55%/45%	140	15	3 (Low)
Cotton/polyester 65%/35% or 60%/40% (with DWR finish)*	140	15	3 (Low)
Aramid/Viscose 50%/50%	–	–	–
Linen, 100%	140	15	3 (Low)
Aramid (Nomex III), 100%	–	–	3 (Low)
Polyamide (Nylon), 100% (with DWR finish)*	–	–	3 (Low)
Polyester 100% (with DWR finish)*	–	–	3 (Low)
Polyester Cleanroom material anti-static 99%/1%	–	–	–

Digiline Low Melt (low temperature, digital emblems, sportswear, light workwear, up to 40 °C home wash)

Type of fabric	Temp. °C	Pressing time in sec.	Pressure in Bar Low/Medium/High
Fleece, 100% Polyester	130	15	3 (Low)
Polyurethane or PVC coated polyester (rainwear), cover with baking paper	130	15	3 (Low)
Knitted fabrics, 100% polyester, viscose, acrylic (Sportswear, light workwear)	130	15	3 (Low)
Knitted fabrics, 100% wool, cotton (Sportswear, light workwear)	130	15	3 (Low)
Knitted fabrics, cotton or polyester with elastane 98%/2%	130 – 140	15	3 (Low)
Flame-retardant cotton or polyester cotton (FR treated, Proban®)	–	–	–
Cotton/polyamide 55%/45%	140	15	3 (Low)
Cotton/polyester 65%/35% or 60%/40% (with DWR finish)*	–	–	–
Aramid/Viscose 50%/50%	–	–	–
Linen, 100%	130	15	–
Aramid (Nomex III), 100%	–	–	–
Polyamide (Nylon), 100% (with DWR finish)*	–	–	–

Polyester 100% (with DWR finish)*	–	–	–
Polyester Cleanroom material anti-static 99%/1%	–	–	–

**DWR finish: Durable Water Repellent finish, meaning a water (dirt, oil) repellent coating on textiles based on silicone, nanotechnology, wax, and fluorocarbon.*
FR: Flame Retardant

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